Assigned Proposal Number:_____

Strategic University Research Partnership Proposal for FY2012
Due Date: December 5, 2011, by 4 PM PST

1. Title of Proposal

2. JPL Principal Investigator
Name – Section

3. Co-Investigator(s) (University and JPL Co-Is)
Name – Affiliation – Email

4. Total Budget Request for FY12

New Proposal [ ] Successor Proposal [ ]

SURP GF included [ ]

Multi-year Student Development Initiative [ ]

Budget Request:

5. Student Participants
Name – Affiliation – academic level – Email

6. Topic Area— Place a "1" next to your primary area and a "2" next to your secondary (optional) area.
Tip: Delete unused topical areas to recoup space.

Next Generation Leaders and Innovators
[ ] Education and Training
[ ] Student career path development

Solar System Science
[ ] Planetary Atmospheres and Geology
[ ] Solar System characteristics and origin of life
[ ] Primitive solar systems bodies
[ ] Lunar science
[ ] Preparing for returned sample investigations

Earth Science
[ ] Atmospheric composition and dynamics
[ ] Land and solid earth processes
[ ] Water and carbon cycles
[ ] Ocean and ice
[ ] Earth analogs to planets
[ ] Climate Science

Astronomy and Fundamental Physics
[ ] Origin, evolution, and structure of the universe
[ ] Gravitational astrophysics and fundamental physics
[ ] Extra-solar planets and star and planetary formation
[ ] Solar and Space Physics
[ ] Formation and evolution of galaxies

In-Space Propulsion Technologies
[ ] Chemical propulsion
[ ] Non-chemical propulsion
[ ] Advanced propulsion technologies
[ ] Supporting technologies

Space Power and Energy Storage
[ ] Power generation
[ ] Energy storage

Communication and Navigation
[ ] Optical communications & navigation technology
[ ] Radio frequency communications
[ ] Internetworking
[ ] Position, navigation and timing
[ ] Integrated technologies
[ ] Revolutionary concepts

Human Exploration Destination Systems
[ ] In-situ resource utilization
[ ] Cross-cutting systems

Science Instruments, Observatories and Sensor Systems
[ ] Science Mission Directorate Technology Needs
[ ] Remote Sensing instruments/sensors
[ ] Observatory technology
[ ] In-situ instruments/sensor technologies

Entry, Descent and Landing Systems
[ ] Aerobraking, aerocapture, and entry systems
[ ] Descent
[ ] Landing
[ ] Vehicle system technology

Nanotechnology
[ ] Engineered materials
[ ] Energy generation and storage
[ ] Propulsion
[ ] Electronics, devices and sensors

Modeling, Simulation, Information Technology and Processing
[ ] Flight and ground computing
[ ] Modeling
[ ] Simulation

[ ] Power management & distribution [ ] Cross-cutting technologies **Robotics, Tele-Robotics and Autonomous Systems** [ ] Sensing [ ] Mobility [ ] Manipulation technology [ ] Human-systems interfaces [ ] Autonomy [ ] Autonomous rendezvous & docking [ ] Systems engineering	[ ] Information processing **Materials, Structures, Mechanical Systems and Manufacturing** [ ] Materials [ ] Structures [ ] Mechanical systems [ ] Cross cutting **Thermal Management Systems** [ ] Cryogenic systems [ ] Thermal control systems (near room temperature) [ ] Thermal protection systems **Other** [ ] Other

7. Objectives— State clearly and concisely the objectives of your work and the expected deliverables.

8. Technical Approach— Describe your plan to achieve your objectives. Provide specific tasks, milestones, and responsibilities.

9. Award Continuity — If this is a successor proposal, describe the accomplishments of the predecessor award. If this is a Student Development Initiative that you would like to be considered for a multi-year award (up to three years), please describe the benefits of an extended award.

10. Innovative Features— Describe the new and original features of the proposed work.

11. Team Strengths— Describe the strengths each member of the team brings to the proposed effort.

12. Exchange of personnel— Describe any plans to have work performed at JPL by university personnel or at the university by JPL personnel.

13. Significance and Impact of Results on JPL Missions and Programs—Indicate specific missions/programs or types of missions.
14. Plans for Follow-on Funding— Provide a realistic assessment of future funding potential. Discuss how this proposal may enhance the probability of such funding.
15. JPL Principal Investigator Signature Name: Signature:
16. JPL PI Division Manager (or designee) Signature Name: Signature:
17. University Co-Investigator Signature Name: Signature:
18. University Representative with Signature Authority, if required by university (signature may also be provided instead on a letter attached with university budget backup) Name: Signature:

19. Figures, Graphics, Tables, etc.

(Please do not use "text-wrapping" when incorporating.)

20. SURP Budget Sheet

Category	Year 1	Year 2	Year 3
DIRECT COST			
1. **Salaries**— *(Itemize) Only "itemize" the person names or job classifications and the number of hours for each. Show one total $ salary figure for labor.* *Itemize names and hours (or FTE) here*	$	$	$
2. **Labor Fringe** — *Employee Benefits*	$	$	$
3. **Cat A Labor**— *(Itemize) Only "itemize" the person names or job classifications and the number of hours for each. Show one total $ figure for labor.* *Itemize names & hours here*	$	$	$
4. **Procurements–PO (Equipment, Materials and Supplies)** *(Itemize)* *Itemize here*	$	$	$
5. **Procurement–RSA (or PS) for University Subcontract(s)** *(Important! See notes #1 and #2 below)* *Itemize and indicate whether the subcontract will be a RSA or PS type.*	$	$	$
6. **Procurements– PS** *(Itemize)* *Itemize other (non-university) subcontracts*	$	$	$
7. **Services**— *(Itemize) Include all in-house services at JPL* *Itemize here*	$	$	$
8. **Domestic Travel**— *Itemize where and why*	$	$	$
9. **Other**—*(Itemize) (Chargebacks, etc.)*	$	$	$
10. **Total Direct Costs** *(total of dollars 1 through 9)*	$	$	$
ALLOCATED DIRECT COSTS (ADC)			
11. **Total Allocated Direct Costs (ADC)** *ADC rates apply to SURP proposals, but not MPS. See your section administrator for help applying the current ADC rates for the various categories of direct costs above.*	$	$	$
12. **TOTAL BUDGET REQUEST** (*See Note #3 below.*) *Sum of Item #10 and #11*	$	$	$

Note #1: You must attach a budget breakdown from each university partner. There is no page limit and the format is the university's choice. The budget breakdown should be adequate for reviewers to understand labor, procurements, subcontracts, services, travel, and university overhead.

Note #2: Use a "RSA" type of subcontract to send funds to your university partner, except for the following circumstances. If your proposal involves hardware or software deliveries or if government furnished property will be sent to the university, then a RSA subcontract will not be allowed. Under these circumstances, use a "PS" type of subcontract. The ADC rates for these two types of subcontracts are significantly different and it is important to make the distinction in your planning stages.

Note #3: Consider using the new institutional online Price Estimate Generator (PEG) for your budget estimation. Type "PEG" in your browser and follow instructions for requesting access.

21. Budget Details for University Partner(s)

(Replace this page with your collaborator's budget detail. There is no page limit and the format may be of their choosing.)